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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Attorney Docket No.	24061.32 (TSMC2002-1078)					
First Inventor	Wen Chin Lin					
Title	MULTI-SENSING LEVEL MRAM STRUCTURE WITH DIFFERENT					
Evames Mail Label No	EV 333435839 US					

Mail Stop Patent Application APPLICATION ELEMENTS **Commissioner for Patents** ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria VA 22313-1450 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) 3. 🔽 Specification [Total Pages Computer Readable Form (CRF) (preferred arrangement set forth below) Descriptive title of the invention h Specification Sequence Listing on: - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D CD-ROM or CD-R (2 copies); or - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) c. Statements verifying identity of above copies - Detailed Description ACCOMPANYING APPLICATION PARTS - Claim(s) - Abstract of the Disclosure Assignment Papers (cover sheet & document(s)) 4. Drawing(s) (35 U.S.C. 113) [Total Sheets _ Power of 10. 37 CFR 3.73(b) Statement (when there is an assignee) Attorney 5. Oath or Declaration [Total Sheets _ 11 English Translation Document (if applicable) a. Newly executed (original or copy) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations b. Copy from a prior application (37 CFR 1.63(d)) 13. Preliminary Amendment (for continuation/divisional with Box 18 completed) 14. 🗸 Return Receipt Postcard (MPEP 503) (Should be specifically itemized) **DELETION OF INVENTOR(S)** 15. Certified Copy of Priority Document(s) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 1.63(d)(2) and 1.33(b). (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 6. 🔽 Application Data Sheet. See 37 CFR 1.76 17. Other: Express Mail Certificate; Check 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS \mathbf{V} 27683 OR Correspondence address below Customer Number: Name David M. O'Dell Haynes and Boone, LLP Address 901 Main Street, Suite 3100 City Zip Code Dallas 75202 Country Telephone 9720739-8635 Fax USA 972-692-9118 Name (Print/Type) David M. O'D Registration No. (Attorney/Agent) 42,044 Signature Date

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Lin et al.	§ §	Attorney Docket No.: 24061.32 (TSMC2002-1078)
Serial No. Unknown	§ §	Customer No. 27683
Filed: Herewith	§ §	Group Art Unit: Unknown
For: MULTI-SENSING LEVEL MRAM STRUCTURE WITH DIFFERENT	§ §	Examiner: Unknown
MAGNETORESISTANCE RATIOS	§ §	

TRANSMITTAL

Mail Stop Applications Commissioner For Patents P. O. Box 1450 Alexandria, VA 22313-1450

I hereby certify that the following papers and fee:

- 1. Utility Patent Application Transmittal Sheet;
- 2. Fee Transmittal Sheet in duplicate;
- 3. Utility Patent Application consisting of 22 pages of Specification, 26 claims, and 1 page of Abstract of Disclosure;
- 4. Four (4) Drawing Sheets;
- 5. Application Data Sheet;
- 6. Check in the amount of \$986.00;
- 7. Express Mail Certificate; and
- 8. Return Postcard

are being deposited with the United States Postal Service under Express Mail Number EV 333435839 US as "Express Mail Post Office to Addressee" to the Commissioner for Patents, Mail Stop Patent Application, Alexandria, VA 22313-1450 on the 3rd day of October, 2003 by

Bonnie E. Boyle	
(Typed or Printed Name)	
Bonne Boxle	
Signature (\	-

Approved for use through 07/31/2006. OMB 0651-0032
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CEE TO A NOMITTAL			Complete if Known							
FEE TRANSMITTAL			Application Number							
for EV 2004			Filing Date							
for FY 2004						en Ch	Chin Lin			
Effective 10/01/2003. Patent fees are subject to annual revision.			Examiner Name					·		
Applicant claims small entity status. S	See 37 CFR 1.27		Art U						·	
TOTAL AMOUNT OF PAYMENT	(\$) 986.00	ŀ				1061.3	2 (TSMC	2002-1078)	$\overline{}$	
METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)							
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or number previously paid, if greater, For Reissues, see above										
SUBMITTED BY Name (Print/Type) David M (Print/Type)			(Complete (if applicable)) Registration No. 42,044 Telephone 972-739-86							
Name (Print/Type) David M. & Dell			Attomey/		42,	U44	-		972-739-8660	
Signature	1420							Date	10-3-8	5

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